

ATTACHMENT E.1
TECHNICAL SPECIFICATIONS AND REQUIREMENTS STATEMENT

1.0 INTRODUCTION

In accordance with the terms of this ESCA, this Technical Specifications and Requirement Statement (TSRS) provides the U.S. Department of the Army's (Army) general specifications for the Clark County, Washington (County) to conduct the environmental services, address environmental scheduling and regulatory issues, and assume liability and responsibility for Site Closeout of the Areas Covered by Environmental Services (ACES), as defined in Section C.3.1 of the Environmental Services Cooperative Agreement (ESCA) and identified in Appendix 2. The Army intends to transfer the property to the County via a Deed with Finding of Suitability for Early Transfer (FOSET). These parcels are described in the Map in Appendix 2.

These specified environmental services will be performed in conjunction with the restoration and conservation actions at the ACES and in accordance with the Prospective Purchaser Consent Decree (PPCD), dated [DATE], 2006, between the County and the Washington State Department of Ecology (WDOE), to achieve Site Closeout as defined in Section C.3.24 of the ESCA. Implementation of the PPCD will also satisfy the remedy requirements of CERCLA, the NCP, and other applicable environmental laws and regulations regarding remediation of the ACES. The Army will provide funding for the environmental services required, as provided for in the ESCA and this TSRS. Unless otherwise defined, the terms in this TSRS shall have the same meaning as defined in the ESCA. The mechanism for funding these services is the ESCA.

1.1 Background

As provided in Section C.4 of the ESCA, the County will conduct certain investigation and cleanup efforts at the ACES and the Army will provide the appropriate level of oversight as specified in the

Environmental Covenants, Conditions, and Restrictions (ECCR), which is an attachment to the FOSET, and this TSRS. The Army's involvement in the cleanup of the ACES will be limited to the scope of the ESCA, the ECCR, and this TSRS. This document is meant to support and be consistent with the ESCA.

If inconsistencies are found between this TSRS and the ESCA after the ESCA has been signed, the ESCA shall control. If inconsistencies are not resolved after referring to the ESCA, the parties will work toward a resolution, in accordance with Section D.9 of the ESCA.

1.2 Early Transfer and Cooperative Cleanup

The Army and County have completed an early transfer of Camp Bonneville so that the County can obtain title to the property requiring remediation in an expedited manner. The Remedial Activities Table (Table 1) lists those environmental sites of the ACES requiring remediation and/or investigation by the County and generally describes the activities that will be accomplished for each of the sites. The County's responsibilities for the ACES are described in the ESCA and in the Remedial Activities Table (Table 1). The ACES are shown on the map included in Appendix 2. Activities described in the Remedial Activities Table (Table 1) may be modified by the County with the approval of WDOE, as long as said modifications do not impact the County's ability to achieve Site Closeout, and provided that the total dollar amount funded in the ESCA is not increased as a result. Activities described in the Remedial Activities Table (Table 1) will be undertaken in conjunction with restoration and conservation activities where the opportunity exists.

In conjunction with the early transfer, the County and the Army chose to pursue a process whereby the County assumes the responsibility for the environmental services under the ESCA. The Army, as the former federal landholding agency, will meet its obligations under CERCLA and other applicable laws and regulations by providing the funds required via the ESCA and overseeing the completion of the environmental services necessary for Site Closeout in conjunction with the PPCD and ESCA. In accordance with its responsibilities, the Army will provide appropriate program oversight of the cleanup efforts at the ACES, and will grant covenants under CERCLA section 120(h)(3)(A)(i)(II) (deferred CERCLA covenant) in accordance with Section C 4.2.3 of the ESCA.

1.3 Applicable and Relevant Documents – Lists of applicable and relevant documents are attached as Exhibit A of this TSRS.

2.0 TECHNICAL SERVICES REQUIRED

2.1 Task Description

The major component activities of this TSRS are outlined below.

1. Project management
2. Site Assessment and Monitoring
3. Specific Tasks for Munitions and Explosives of Concern (MEC) and HTW
4. Natural Resources Trustees Coordination & Damage Claims
5. Regulatory Requirements
6. Environmental Insurance
7. Remedy Implementation
8. Cleanup Action Reports and Site Closeout
9. Public Involvement
10. Period of Performance
11. Submittal of Documents and Project Schedule

The County shall provide, or cause to be provided, the necessary qualified and licensed personnel, appropriate equipment, and other resources to successfully execute the investigation and/or remediation of parcels described in Remedial Activities Table (Table 1) in accordance with the ESCA and PPCD. Project activities and responsibilities are outlined in the following sections and additional details on project activities listed below are found in Section 3 of this TSRS. This TSRS more fully specifies the environmental services the County will conduct under the ESCA on behalf of the Army. Nothing in this TSRS shall limit the County from conducting environmental activities that vary from those activities

specified in this TSRS provided such activities are coordinated with the Army, the changed activities do not increase the project cost to the Army, and ultimately achieve Site Closeout from WDOE. The ultimate requirement is to achieve Site Closeout so that the Army may grant the deferred CERCLA covenant.

2.1.1 Project Management

The complexity, magnitude, and unique nature of the cleanup at the environmental sites of the ACES requires coordination of project activities to ensure that stakeholders are kept reasonably informed of the project status, including existing or potential problems and any changes that may be required to prudently manage the project. Project stakeholders include the Department of the Army Base Realignment and Closure (BRAC) Division (BRACD), WDOE, Clark County, the local community and other local and state organizations, and the Army Restoration Advisory Board (RAB) or the County-operated public forum for environmental actions, consistent with MTCA requirements. County will use the PPCD and TSRS to guide the cleanup of the ACES in conjunction with redevelopment while ensuring consistency with remedial requirements of CERCLA, the NCP, and other applicable environmental laws and regulations. As stipulated in the ESCA, the Army shall receive copies of all final environmental decision documents (see Appendix 1) for review and comment, as well as review for concurrence, of any revisions, modifications, or amendments to the PPCD or decision documents as required in Section C.4.2.2 of the ESCA.

including amendments to those documents and any amendments to the PPCD at the time they are produced.

The County shall maintain (or cause to be maintained) a project repository as required by CERCLA, the NCP, other applicable laws and regulations, and the PPCD. The County shall also prepare and submit quarterly progress reports (as defined in Section 3.1) to the Army that document technical progress to date, outline upcoming work planned for the next quarterly reporting period, and describe any technical issues confronted with successful or proposed solutions. Finally, the County shall hold conference calls, as defined in Section 3.3, with the Army representative on an as-needed basis as determined by the Army

to discuss the progress of the cleanup of the ACES and the status of formal decision documents in progress. The Army representative shall be the Base Environmental Coordinator, or his designated successor. Additional details on the project management responsibilities are found in Section 3.1 through Section 3.3 of this TSRS.

2.1.2 Site Assessment and Monitoring

The County shall conduct any additional site assessment, including sampling and analysis that may be necessary to delineate areas requiring remedial actions in accordance with the PPCD and ESCA. As additional delineation or other site characterization work is completed during the period of performance, the County shall record any changes needed to the necessary documents (e.g., remedial design documents and PPCD) and provide changes to the Army for review in accordance with the procedures specified in the ESCA Section C.4.2.2. To the extent additional site assessment results in additional decision documents or amendments, independent of the PPCD, the Army will review for concurrence, in the PPCD to ensure consistency of any remedial actions with CERCLA, pursuant to the review procedures set forth in Section C.4.2 of the ESCA.

Prior to the end of the Period of Performance, discussed in Section 2.1.11, the County shall implement, to the extent required by the PPCD and the ESCA, a plan to meet Long-Term Obligations pursuant to Section C 4.1.13.4 of the ESCA. This plan will provide for the implementation of the Long Term Obligations, including without limitation, ongoing remediation activities required under the PPCD. In addition, the County shall prepare monitoring reports and effectiveness reports as required by the PPCD, and submit copies of the plans and reports to the Army representative.

2.1.3 Specific Tasks for Munitions and Explosives of Concern (MEC)

In accordance with the ESCA, County will:

- (1) Achieve Site Closeout pursuant to the requirements of the PPCD and the following:

- (a) DOD 6055.9 STD DOD Ammunition and Explosives Safety Standards, July 1999
(Under revision)
- (b) DOD Ammunition and Explosive Hazard Classification Procedures, 5 Jan 1998
- (c) EM 1110-1-4009
- (d) Army Regulations 385-464 U.S. Army Explosive Safety Program 1 Feb 2000

(2) Control access to areas with known or suspected to contain MEC, in accordance with the ECCR. The County shall maintain land use controls (LUCs) around the ACES for as long as required under the PPCD and ECCR.

(3) Submit an ESS and any required explosives safety site plans through the U.S. Army Technical Center for Explosives Safety (USATCES) to the DDESB for approval prior to conducting any munitions responses to allow change of use, and provide after-action reports, once the munitions response is completed.

(4) Work closely with identified DoD representatives in conducting the munitions response.

(5) Establish a limited MEC Awareness Safety Notification to inform the public of the dangers presented by unexploded ordnance, during cleanup; and a post-remediation MEC Awareness Safety Notification shall be implemented as an institutional control consistent with the planned reuse activities. (See Attachment 2 to the FOSET)

(6) Implement, administer, and enforce the land use controls contained in the ECCR. Such implementation and administration of land use controls may be evidenced by the filing by County with WDOE and the Army of an annual compliance report. This report shall certify, after inspection, that all components of land use controls are in place, and reporting any apparent violations of the land use controls, and describing actions, if any, taken in response to such violations. The annual reports shall be filed within thirty (30) days of the anniversary date of the filing of the ECCR containing the land use controls in the real property records of Clark County.

The Army will grant the CERCLA Covenants in accordance with Section 4.2.3 of the ESCA once (i) response actions are concluded based on DDESB's approval of required Explosive Safety Submissions or Site Plans, (ii) the County and its contractors have issued a Statement of Removal of Munitions and Explosives of Concern (MEC), and (iii) the County has achieved Site Closeout as outlined in Section C.3.24 of the ESCA.

2.1.4 Specific Tasks for the Remediation of the Small Arms Ranges

The County shall remediate the Remedial Action Unit (RAU) 2C according to the Work Plan for Interim Actions (IA) at the Small Arms Range Berms and Fire Support Areas and the Remedial Investigation/Feasibility Study (RI/FS) Report for the Small Arms Ranges Work Plan for Interim Actions (IA) approved by WDOE. The soils and lead-containing materials shall be disposed or otherwise managed as required by applicable regulations and/or the RAU 2C IA and/or RI/FS. At the completion of these cleanups, the small arms ranges site shall be restored as specified in the IA and/or RI/FS. The County shall prepare and submit appropriate documentation recording completion of these work items as specified by applicable regulations, the CAP and the RAWP

2.1.5 Other Tasks

Groundwater monitoring

Site Management

Site Security

2.1.6 Natural Resources Trustees Coordination and Damage Claims

The County shall also be responsible for complying with the requirements outlined in the National Contingency Plan, 40 CFR Part 300, and will notify the State and Federal Natural Resource Trustees, including the U.S. Army, of effects of hazardous substances, pollutants and contaminants (as defined in CERCLA, Section 101) on natural resources on the Property. The County shall coordinate assessments, evaluations, investigations and planning with respect to appropriate remedial actions with the Trustees.

The County and the Army will participate in discussions with Natural Resource Trustees and will work to resolve Trustee concerns regarding implementation of any remedial activities under the PPCD.

The Army shall remain responsible for its natural resource trustee responsibilities under CERCLA and for natural resource injuries occurring as a result of releases of hazardous substances, pollutants and contaminants that have occurred due to Army ownership or activities on Bonneville. The County or its successor shall be responsible for any natural resource injuries and associated natural resource damages resulting from its actions occurring after transfer of the property from the Army to the County except as otherwise provided in 3.5.3.

2.1.7 Regulatory Requirements According to the PPCD

The County shall be responsible for negotiating with appropriate federal and state environmental agencies (e.g., WDOE) in the PPCD to achieve Site Closeout, pursuant to the PPCD and the ESCA. As appropriate, County will coordinate with other local, state, and/or federal agencies in PPCD to achieve Site Closeout. Any modifications to the PPCD shall be coordinated with the Army.

2.1.8 Environmental Insurance

The County will obtain Environmental Insurance meeting the requirements set forth in Section 3.4 of this TSRS.

2.1.9 Remedy Implementation

The County shall utilize the funds provided under the ESCA to conduct the tasks outlined here and to implement remedial actions required by the PPCD in conjunction with conservation activities. The County shall ensure that all remedial activities are performed in accordance with the terms of the above documents and in support of the reuse specified in the reuse plan map prepared by the County as approved by the governing board of the County on September 1998, updated on February 20, 2003, and revised on November 15, 2005. (the "Reuse Plan"). All changes in land use from the Reuse Plan that increase the amount or scope of remedial activities on the environmental sites of the ACES, or compromises the effectiveness of the ECCR or land use controls found in the PPCD, and/or requires the modification, variance, or termination of such restrictions, shall be at the sole expense and responsibility of

the County. If such a change is planned, the County shall notify the Army representative before proceeding with any of its associated obligations under the PPCD.

The County is responsible for all additional costs associated with a change in reuse from the Reuse Plan. Regardless of any changes in reuse, the County must ensure that all remedial activities contemplated for the environmental sites of the ACES meet the remedy requirements of CERCLA, NCP, the PPCD and other applicable Federal and State laws and regulations.

The County shall be responsible for developing documents associated with the remedial actions to achieve Site Closeout as described in the PPCD. To the extent required by the PPCD, the County will develop all reports as required under the Remedial Design Work Plan and Remedial Action Work Plan to implement the remedy for each site as described in the PPCD. If additional remedial action is necessary as a result of changes to the PPCD, the Army shall receive copies of the related documents.

The Army has followed the CERCLA Site Investigation (SI), Remedial Investigation/Feasibility Study (RI/FS) and Engineering Evaluation/Cost Analysis (EE/CA) processes in the prior characterization of environmental conditions and analysis of remedial action alternatives of the ACES. Site characterization data is available in the various reports referenced in Exhibit A herein. The site characterization data, where available, has been used in evaluating various remedial alternatives and site-specific activities summarized in the Remedial Activities Table (Table 1). The remedial actions and/or land use controls for the ACES will comply with the PPCD, CERCLA, the NCP, and other applicable laws and/or regulations and will be protective of human health and the environment.

2.1.10 Notice of Completion

Following completion of remedial activities, the County shall develop a Cleanup Action Report and, if applicable, a MEC Findings Report pursuant to the PPCD stating that the work for that RAU has been completed as specified in the PPCD (e.g., OPS) and that Site-wide groundwater monitoring has not shown any levels of contamination above the standards set by the WDOE. The Cleanup Action Report shall include the information required by the PPCD. The County shall determine if it is more suitable to

develop one site-wide report or several reports corresponding to the environmental sites of the ACES. These reports shall include the information required by the PPCD and WDOE's issuance to the County a written Notice of Completion after review of Clark County's Cleanup Action Report and determination that the work has been satisfactorily completed. In accordance with the requirements of the PPCD, WDOE will make a Site Closeout determination when all of the following have occurred: (1) County has performed all Environmental Services, and (2) WDOE has issued a written Notice of Completion.

Once the County has achieved Site Closeout, as defined in Section C.3.24 of the ESCA, the Army will grant the CERCLA covenant that all necessary remedial action has been taken in accordance with Section C.4.2.3 of the ESCA.

2.1.11 Public Involvement

The opportunity for public involvement is essential for obtaining community input and maintaining community understanding and support for the cleanup actions on the ACES.

The County shall be responsible for notification to, involvement with, and solicitation of input from the public as required by the PPCD, CERCLA, and the NCP. The County will be responsible for initiating, coordinating, and scheduling necessary public activities relating to the remedial activities on the ACES as required under the PPCD, including developing briefings, presentations, fact sheets, developing additional statements of work for performing remedial actions of the ACES, taking meeting minutes, legal notices, public meetings, and sending articles to news media, if necessary. The County shall also comply with all other requirements for public participation as prescribed under the PPCD.

2.1.12 Period of Performance

The period of performance for this TSRS is as follows:

Start Date: 1 September 2006

End Date: 31 August 2010

2.1.13 Submittal of Documents and Achievement of Project Schedule

The County will be responsible for assuring that reasonable progress is maintained including submittal of required deliverables, in conjunction with the remediation schedule, which will be set forth in the PPCD, are met. The Army representative will verify that reasonable progress is achieved and deliverables are

received.

The County shall provide Army representative with two paper copies and one electronic copy of all documents/reports described in this TSRS, to include but not limited to general remedial documents, all final decision documents, and proposed amendments to the decision documents and to the PPCD. The Army representative shall have the right to review and provide comments for concurrence any revisions, modifications, or amendments to the PPCD or decision documents as listed in Appendix 1.

If the Army has comments or concerns, the Army will notify the County within fifteen (15) working days. In the potential instances in which the Army must review a voluminous or several documents at the same time, the Army and the County shall agree on a reasonable time to complete the review. If a mutually agreeable resolution to comments and concerns is not reached with 15 working days of the commencement of discussions between the County and the Army, the Parties reserve their rights, as described in Section D.9 of the ESCA. The Army's review of the documents and reports shall be limited to the following scope:

- To ensure consistency with the ESCA and ECCR
- To ensure consistency with CERCLA, the NCP, and any requirements applicable to Non-CERCLA environmental services
- To ensure that ESCA funds that have been spent, or that will be spent, are in compliance with the Scope as defined in Section C.2.3 of the ESCA and the Environmental Services as defined in Section C.3.14 of the ESCA.

The County shall be responsible for completing the following major tasks prior to the ESCA termination:

- Complete all required documentation, investigation, design and remedial activities in the ACES, as required by the PPCD;

- Forward all Completion Reports and other documentation to achieve Site Closeout outlined in Section C.3.24 of the ESCA to the Army Representative;
- Upon completion of the remedial actions for the ACES pursuant to the PPCD, forward all reports and make any other documentation requested by the Army available to the Army Representative; and
- Following the completion of all environmental services pursuant to the PPCD, submit proof of Site Closeout by providing the WDOE's Notice of Completion and a Long-Term Operation and Maintenance Plan approve by WDOE.

The County shall submit final decision documents and deliverables as outlined in the PPCD and Section 2.1.12 of this TSRS to the Army. The Army Representative shall be responsible for verifying that deliverables are submitted in a timely manner to support the project schedule, concurrent with regulatory review and schedules. If the Army Representative deems it necessary, the Army Representative may access the ACES for purposes of on-site quality assurance and verification of remediation performance in accordance with the ESCA and deed covenant.

3.0 ADDITIONAL INFORMATION

3.1 Project Progress Reports

The County shall prepare and submit quarterly project progress reports to the Army Representative during the entire period of performance, regardless of whether submission of these reports is required by WDOE, and regardless of whether any substantial remediation activities have occurred at the environmental sites of the ACES. In general, the project progress reports should contain sufficient information to keep the Army representative aware of the status of the implementation activities at the ACES. The project progress reports shall address the following topics, as applicable:

- Document technical progress or work completed during the reporting period
- Total ESCA cooperative agreement funds spent during the previous quarter, and cooperative agreement funds spent to date
- Outline of upcoming work for the next quarter and the ESCA cooperative agreement funds needed for the upcoming work
- Any known technical or regulatory issues that may impact project schedule
- Current status of County coordination of MEC-related documents with DDESB
- Corrective Measures Implementation Reports
- Corrective Measures Effectiveness Reports
- Needed Notifications in accordance with the ESCA
- Status of any established or pending changes to the PPCD
- Summary of public participation activities conducted during the quarter

The County can modify or adapt those progress reports that may be submitted to WDOE so as to address the topics listed above and satisfy the requirements of both the PPCD and Section B.9 of the ESCA. However, if the Army Representative determines that there is not sufficient information contained

in the project progress reports to meet the intent of the above requirements, the Army has the right to request that the County provide copies of other available documentation within 2 weeks after the initial review of the project progress report. The County will provide one copy of the Project Progress Report to the Army Representative for the Army's distribution to other appropriate parties. The Army reserves the right to request a follow-on conference call to discuss or clarify issues presented in the Progress Report.

3.2 Project Repository

The Army has maintained a project repository of environmental documents at the Installation. In accordance with the PPCD and to ensure consistency with CERCLA, the NCP, MTCA and other applicable laws and/or regulations, the County shall continue to maintain a project repository for the ACES Environmental Services at an easily accessible repository in Vancouver, WA or at Camp Bonneville, for the period of the ESCA. This County-maintained repository will contain all project-related environmental investigation and remediation information generated after transfer to the County. The County-maintained repository will contain pertinent documentation for project reviews or justification and to provide a clear record of the approach used to achieve the remedial action goals for the environmental sites of the ACES.

The Army is and will continue to be solely responsible for maintenance of the Administrative Record and Information Repository for the Installation for all technical documentation and records generated for the ACES prior to transfer.

After Site Closeout of each parcel, the administrative record at the County-maintained repository will be provided to the Army representative and will become Army property. The County shall provide the Army with the original and an electronic file copy of each document in the County-maintained repository for the Army's records.

3.3 Conference Calls and Briefings

The County shall brief the Army representative on an as-needed basis on the status of the remediation activities at the environmental sites of the ACES or other concerns regarding the Progress Report or other reports developed during the period of performance. Briefings will be conducted by means of conference calls that the County shall arrange.

3.4 Environmental Insurance

County shall be responsible for obtaining, carrying, and maintaining Environmental Insurance Policies, including both Pollution Legal Liability (PLL)/Pollution, MEC, and Remediation Legal Liability (PMARLL) and Remediation Cost Cap (RCC)/Remediation Stop Loss (RSL) insurance coverages, for the ACES property for both cost overruns during cleanup (implementation of the PPCD) as well as potential ongoing environmental exposures after cleanup is completed, at no additional cost to the Army (beyond the funding committed by the Army under the ESCA) in accordance with the following minimum requirements. PLL Insurance coverage shall be maintained for the duration of the ESCA with no gaps in coverage.

PLL/PMARLL Policy Requirements:

- PLL coverage for Hazardous and Toxic Wastes (HTW) and MEC within the ACES
- The insurance carrier must be rated A.M. Best's A- FSC IX or better.
- Named Insured: Recipient
- Additional Insured(s): U.S. Department of the Army
- PLL will include coverage for Bodily Injury, Property Damage and Remediation Costs – Pre-Existing Pollution Incidents, to the extent the Bodily Injury is not related to damages from a MEC explosive risk
- PLL will include coverage for Bodily Injury, Property Damage and Remediation Costs – New Pollution Incidents (New Conditions)
- PLL will include coverage for Bodily Injury, Property Damage and Remediation Costs – Non-Owned Locations Offsite
- Policy Period: Minimum of ten (10) Years – Recipient will bind the PLL policy prior to the transfer of the ACES.
- Minimum Aggregate Limit = \$20,000,000

- Minimum Each Pollution Incident = \$ 10,000,000
- To include Waiver of Subrogation, as applicable, for matters addressed in this Agreement that County may have against the Army, its officers, agents, or employees except for those asserted by third parties in their own right. In no circumstances will County be entitled to assign to any third party right of action that the Recipient may have against the Army, subject to provisions of Section C.4.2 of the ESCA.
- County may bind an interim PLL policy for a shorter term prior to binding the 10-year policy.

RCC/RSI Policy Requirements:

- Coverage for environmental sites not associated with MEC cleanup identified in the Remedial Activities Table (Table 1) of the TSRS, except as otherwise agreed by the Army.
- Coverage for each environmental site not associated with MEC cleanup within the ACES shall be in effect prior to the commencement of any remedial/response action on that site, unless otherwise agreed by the Army.
- Remedial Action of Known and Unknown Pollutants
- To include Waiver of Subrogation, as applicable, for matters addressed in this Agreement that the Recipient may have against the Army, its officers, agents, or employees except for those asserted by third parties in their own right. In no circumstances will the Recipient be entitled to assign to any third party right of action that the Recipient may have against the Army, subject to provisions of Section C.4.2 of the ESCA.

The County will provide to the Army a certificate of insurance evidencing maintenance of the insurance required for the life of remedial actions.

3.5 Amendments to PPCD

The Parties acknowledge that the PPCD may be amended, and the remedial activities performed at the environmental sites of the ACES may ultimately differ from the remedies identified in this TSRS.

Amendments to the PPCD and implemented remedial actions must be sufficiently protective of human

health and the environment, and will comply with requirements of CERCLA, NCP, and other applicable Federal and State laws and regulations and Site Closeout will be obtained by the County. The Parties hereby acknowledge and agree that such Amendments are anticipated and acceptable as modifications to this TSRS, provided that the County complies with the ESCA provisions requiring notice and consultation with the Army regarding such PPCD modifications/amendments in accordance with Section C.4.2.2 of the ESCA and Section 2.1.12 of this TSRS.

3.6 Modification of TSRS

Any variation or modifications to this TSRS must be made in accordance with Section D.7 and D.21 of the ESCA and in coordination with the Army.

4.0 PERFORMANCE MANAGEMENT

4.1 Place of Performance

The ACES and at County offices, located either on-site or off-site at other local sites.

4.2 Privacy and Security

No special clearance is required for this task.

4.3 Contract Management

4.3.1 Quality Assurance/Quality Control and Health and Safety

The County shall ensure that appropriate Quality Assurance/Quality Control and health and safety standards and guidelines under applicable law are incorporated into all project activities.

4.3.2 Signatory Authority

The County shall prepare and author remedial designs, removal action approval papers, and other documents, as required. The Army Representative or designated representative will prepare any other Army-required closure documentation.

5.0 GOVERNMENT FURNISHED RESOURCES

The Army shall provide the following resources to the County (if necessary and available):

- Pertinent records, reports, data, analyses, and information in the currently available formats (e.g., hardcopy, electronic tape, disks, CDs), to facilitate development of a complete and accurate assessment of current, former, and historical site activities and operations; waste generation and contaminant characteristics; parameters of interest; and site environmental conditions.
- Access to appropriate personnel to conduct interviews on Site Operations and activities.

Table 1
Remedial Activities Table
Performance Specifications

<p style="text-align: center;"><u>Site Description and Designation</u></p>	<p style="text-align: center;"><u>Remedial Activities Summary</u></p>
<p>Institutional Controls (ICs) - consists of those site-wide activities specified in the PPCD and/or ESCA, and required to establish and maintain the institutional controls which are an integral part of the remedy</p>	<p><u>Document Submittals</u></p> <ol style="list-style-type: none"> 1. Restrictive Covenants 2. Long-Term Site-Wide Operations, Maintenance, and Monitoring Plan (Draft and Final) <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RIP and WDOE Approval for Site Closeout. Maintain all LTM and ICs required after site closeout. 2. Fence Replacement and Repair (Site Perimeter and CITA) 3. Sign Replacement 4. Site Security 5. Codification of Long-Term Institutional Control 6. Long-Term Fence and Sign Management 7. UXO Technician training for selected County personnel
<p>Site-Wide Activities - consists of activities which have site-wide application and/or support actions impacting more than one RAU</p>	<p><u>Document Submittals</u></p> <ol style="list-style-type: none"> 1. Site-Wide Health and Safety Plan 2. Project Management Plans 3. Quarterly Project Progress Reports <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Prepare Educational Materials suitable for ICs 2. Complete Public Participation Requirements and Associated Community Relations 3. Maintain Project Repository 4. Additional site assessments, as necessary

<p align="center"><u>Site Description and Designation</u></p>	<p align="center"><u>Remedial Activities Summary</u></p>
<p>Remedial Action Unit 1 (RAU 1) consists of 20 areas at the Property identified and illustrated in Exhibit B of the PPCD, and addresses any contamination associated with those areas and any risks to human health and the environment associated with such contamination.</p>	<p><u>Document Submittal</u></p> <ol style="list-style-type: none"> 1. Restrictive Covenants required under Final CAP <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RC and WDOE Approval for Site Closeout.
<p>Remedial Action Unit 2A (RAU 2A) consists of 21 small arms ranges identified and illustrated in Exhibit C of the PPCD, and addresses any lead or other contamination associated with those areas and any risks to human health and the environment associated with such contamination.</p>	<p><u>Document Submittals</u></p> <ol style="list-style-type: none"> 1. Final Interim Cleanup Action Work Plan 2. Interim Cleanup Action Report 3. RI/FS Report (Draft and Final) 4. Cleanup Action Plan (Draft and Final) 5. Compliance Monitoring Plan* 6. Cleanup Action Report 7. Long-Term Operations and Maintenance Plan* <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RC and WDOE Approval for Site Closeout. 2. Excavation, screening, and categorization of lead-contaminated soils; soil sampling for excavation control and disposition management; loading, transportation, and disposition of soils at appropriately permitted recycling or disposal facilities based on the following small arms range locations: <ol style="list-style-type: none"> 1. Combat Pistol Range 2. Undocumented Pistol Range 3. 1,000-Foot Range, 1,000-Foot Machine Gun Range, and Moving Target Range 4. 25-Meter M-60 Machine Gun and Pistol Range 5. 25-Meter Machine Gun Range 6. 25-Meter Record Fire and Field Firing Range 7. Field Firing Ranges Nos. 1 and 2 8. Rifle Ranges Nos. 1 and 2

<p align="center"><u>Site Description and Designation</u></p>	<p align="center"><u>Remedial Activities Summary</u></p>
	<p align="center">9. Field Fire Rifle Ranges Nos. 1 and 2</p>
<p>Remedial Action Unit 2B (RAU 2B) consists of Demolition Areas 2 and 3, identified and illustrated in Exhibit D of the PPCD, and addresses any contamination associated with those areas and any risks to human health and the environment associated with such contamination.</p>	<p><u>Document Submittal</u></p> <ol style="list-style-type: none"> 1. Remedial Investigation Report (Draft Final for public comment and Final) <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RC and WDOE Approval for Site Closeout.
<p>Remedial Action Unit 2C (RAU 2C) consists of Landfill Area 4/Demolition Area 1, identified and illustrated in Exhibit E of the PPCD, and addresses any contamination associated with those areas and any risks to human health and the environment associated with such contamination.</p>	<p><u>Document Submittals</u></p> <ol style="list-style-type: none"> 1. Cleanup Action Plan (Draft and Final) 2. Compliance Monitoring Plan* 3. Cleanup Action Report 4. Long-Term Operations and Maintenance Plan <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RIP and WDOE Approval for Site Closeout. 2. Maintain all LTM and ICs requirements after site closeout.
<p>Remedial Action Unit 3 (RAU 3) consists of any area at the Property where military munitions have come to be located, and addresses any contamination associated with those areas and any risks to human health and the environment associated with such contamination. RAU 3 is identified and illustrated in Exhibit F of the PPCD.</p>	<p><u>Document Submittals</u></p> <ol style="list-style-type: none"> 1. Explosives Safety Submittals 2. Emergency Action Work Plan 3. Emergency Action Report 4. Interim Cleanup Action Work Plan 5. Interim Cleanup Action Report 6. RI/FS Report Addendum 7. Cleanup Action Plan (Draft and Final) 8. Compliance Monitoring Plan* 9. Cleanup Action Report 10. MEC Findings Report 11. Long-Term Operations and Maintenance Plan <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RIP and WDOE Approval for Site

<p><u>Site Description and Designation</u></p>	<p><u>Remedial Activities Summary</u></p>
	<p>Closeout.</p> <ol style="list-style-type: none"> 2. Maintain all LTM and ICs requirements after site closeout. 3. QA/QC Validation of Previous Army MEC Clearances on the M-203 Rocket grenade range 4. DGM Surveys of the Artillery Firing Points 5. MEC Surface Clearance of Landfill Area 4 - Demolition Area 1 6. MEC Surface Clearance of Demolition Area 2 7. MEC Surface Clearance of Demolition Area 3 8. MEC Surface Clearance of 2.3-Inch Rocket Range 9. MEC Surface Clearance of 3.5-Inch Rocket Range 10. MEC Subsurface Clearance to 14 inches at and around the target sites in the CITA 11. Removal of the targets from the CITA 12. MEC Construction Support for road work in the CITA 13. Aerial anomalies survey of the wetlands 14. MEC Surface Clearance of the Environmental Study Area 15. MEC Surface Clearance of the Valley Floor 16. MEC Surface Clearance of Transects on the Dense Vegetation - Moderate Slope Area north and west of the Valley Floor 17. MEC Surface Clearance of the buffer zones on each side of the road and trail footprints 18. MEC Subsurface Clearance to 4 Feet in the Park Reuse Construction Area 19. MEC Subsurface Clearance to 14 Inches in the Park Reuse Construction Area 20. MEC Construction Support for Fuels Management

<p><u>Site Description and Designation</u></p>	<p><u>Remedial Activities Summary</u></p>
	<p>21. MEC Surface Clearance and Brush Removal for Perimeter and CITA Fence Replacement and Repair Construction</p> <p>22. Demilitarization Processing for Materials Presenting Potential Explosives Hazard</p> <p>23. MEC Avoidance Support for CITA Soil Sampling</p> <p>24. "Step-Outs" for MEC clearance around any MEC items found as specified and required under the PPCD</p>
<p>Site-Wide Soils and Groundwater</p>	<p><u>Document Submittals</u></p> <ol style="list-style-type: none"> 1. Supplemental Groundwater Remedial Investigation and Feasibility Study Work Plan (Draft and Final) 2. Supplemental Groundwater Remedial Investigation and Feasibility Study Report (Draft and Final) 3. Monitoring Reports for Specified Groundwater Monitoring Events 4. Supplemental Soil Remedial Investigation Work Plan for CITA and Artillery Firing Points (Draft and Final) 5. Supplemental Soil Remedial Investigation Report for CITA and Artillery Firing Points (Draft and Final) <p><u>Actions</u></p> <ol style="list-style-type: none"> 1. Achieve RIP and WDOE Approval for Site Closeout. 2. Maintain all LTM and ICs requirements after site closeout. 3. Groundwater Monitoring at the site perimeter wells as specified in the PPCD 4. Soil sampling and analysis in the CITA and at the Artillery Firing Points as specified in the PPCD

* Documents which will be prepared and submitted to the Washington Department of Ecology only if determined to be required pursuant to the Washington Model Toxics Control Act (MTCA), Chapter 173-340 of the Washington Administrative Code (WAC) or the PPCD.

**RIP, RC, and LTM are terms used for the Defense Environmental Restoration Program, definitions provided below.

Definitions

Long-Term Management (LTM): The remedial phase including maintenance, monitoring, record keeping, remedy reviews, etc. initiated after response (removal or remedial) objectives have been met (i.e., after Response Complete).

Remedial Action (Operations) (RA(O)): The remedial phase during which the remedy is in place and operating to achieve the cleanup objective identified in the Record of Decision (ROD) or other final decision document. Any system operation (long-term operations) or monitoring (long-term monitoring) requirements during this time are considered RA(O).

Remedy In Place (RIP): A final remedial action has been constructed and implemented and is operating as planned in the remedial design. An example of a remedy in place is a pump-and-treat system that is installed, is operating as designed, and will continue to operate until cleanup levels have been attained. Because operation of the remedy is ongoing, the site cannot be considered Response Complete.

Response Complete (RC): The remedy is in place and required remedial action-operations (RA-O) have been completed, as documented by a Notice of Completion issued by WDOE. If there is no RA-O phase and all response action objectives have been achieved and documented, then the remedial action–construction end date will also be the RC date.

Deliverables:

The Recipient shall submit the following documents to the Army and to WDOE, if required to satisfy the requirements of the PPCD. All documents listed below may require draft, draft final and final versions based on prior work/reports completed, Ecology review and public input on the draft copies. The Recipient may also combine reports, as appropriate and approved by Ecology.

RAU 1

Restrictive Covenants required under the final Cleanup Action Plan for RAU 1

RAU 2A

Remedial Investigation/Feasibility Study (RI/FS) Report
Interim Action Work Plan
Cleanup Action Plan (CAP)
Compliance Monitoring Plan
Cleanup Action Report
Long-Term Operation and Maintenance Plan

RAU 2B

Remedial Investigation (RI) Report

RAU 2C

Supplemental Ground Water Remedial Investigation Work Plan
Remedial Investigation/Feasibility Study (RI/FS) Report
Cleanup Action Report
Long-Term Operation and Maintenance Plan
Compliance Monitoring Plan

RAU 3

Remedial Investigation/Feasibility Study (RI/FS) Report (revised to address public comments)
Cleanup Action Plan (CAP)
Explosives Safety Submission
Supplemental Soil Remedial Investigation Work Plan for RAU 3
Compliance Monitoring Plan
Cleanup Action Report,
Long-Term Operation and Maintenance Plan
MEC Findings Report

Appendix 2

ACES Map

Exhibit A
Documentation

Hart Crowser, Inc., Petroleum Contaminated Soil Investigation, Former Tank No. 7-CMBPN, Building No. 4475, Camp Bonneville, Vancouver, Washington, Contract No. DACA67-93-D-1004, Delivery Order No. 53, September 11, 1996.

Woodward-Clyde Federal Services, Final Environmental Baseline Survey Report, Camp Bonneville, Washington, Contract No. DACA67-95-D-1001, January 30, 1997.

Hart Crowser, Inc., Final Lead-Based Paints and Soil-Metals Survey Report, Camp Bonneville, Washington, Contract No. DACA67-93-D-1004, Delivery Order No. 49, February 28, 1997.

Hart Crowser, Inc., Pre-Demolition Survey, CS Gas Chamber Building, Camp Bonneville, Vancouver, Washington, Contract No. DACA67-93-D-1004, Delivery Order No. 52, February 28, 1997.

U.S. Army Corps of Engineers, U.S. Department of Defense Program Base Realignment and Closure Ordnance, Ammunition and Explosives Final Archives Search Report – Report Plates, Camp Bonneville, Clark County, Washington, July 1997.

U.S. Army Corps of Engineers, U.S. Department of Defense Program Base Realignment and Closure Ordnance, Ammunition and Explosives Final Archives Search Report – Conclusions and Recommendations, Camp Bonneville, Clark County, Washington, July 1997.

U.S. Army Corps of Engineers, U.S. Department of Defense Program Base Realignment and Closure Ordnance, Ammunition and Explosives Final Archives Search Report – References, Camp Bonneville, Clark County, Washington, July 1997.

Prezant Associates, Inc., Final Asbestos Surveys Report, Camp Bonneville, Vancouver, Washington, Volumes I-III, Contract No. DACA67-95-D-1018, Delivery Order No. 4, November 7, 1997.

Cecon Corporation, Drain Line and PCS Removal, Final Report, Camp Bonneville, Vancouver, Washington, Contract No. DACA67-96-M-0890, December 1997.

UXB International, Inc., Removal Report Ordnance and Explosive (OE) Sampling, Camp Bonneville, Vancouver, Washington, Contract No. DACA87-97-D-006, Delivery Order No. 10, August 31, 1998.

Shannon & Wilson, Inc., Final Multi-Sites Investigation Report, Camp Bonneville, Vancouver, Washington, Volumes 1-5, Contract No. DACA67-94-D-1014, Delivery Order Numbers 10 and 17, July 1999.

URS Greiner Woodward Clyde, Final Supplemental Archive Search Report, Camp Bonneville, Vancouver, Washington, Contract No. DACA67-98-D-1005, Delivery Order No. 3, August 15, 1999.

Draft July 20, 2006

Shannon & Wilson, Inc., Final Landfill 4 Investigation Report, Camp Bonneville, Washington, Contract No. DACA67-94-D-1014, August 1999.

Gary Struthers Associates, Inc., Final Closure Report, Environmental Restoration, Multi-Sites, Camp Bonneville, Washington, Contract No. DACA67- 95-G-0001, Task Order 58, February 2001.

Hart Crowser, Inc., Final Project Completion Report, Surface Water Investigation of Lacamas Creek and Tributaries, Camp Bonneville, Vancouver, Washington, Contact No. DACA67-98-D-1008, Delivery Order No. 20, March 10, 2000.

U.S. Army Corps of Engineers, Final GIS-Based Historical Time Sequence Analysis, Camp Bonneville, Washington, August 2000.

URS Greiner Woodward Clyde, BRAC HTRW Site Closure Report for Landfills 1, 2, and 3; Former Burn Area; Buildings 1962 and 1963; Grease Pits at the Camp Bonneville and Camp Killpack Cantonments; Former Sewage Pond; and Hazardous Materials Accumulation Point, Camp Bonneville, Washington, Contract No. DACA67-98-D-1005, Delivery Order No. 43, September 2000.

UXB International, Inc., Final Removal Report, Ordnance and Explosive Removal Action, Camp Bonneville, Vancouver, Washington, Contract No. DACA87-97-D-006, Delivery Order No. 13, October 12, 2000.

Parsons Engineering Science, Inc., Final Reconnaissance Work Plan, Additional Site Characterization, Camp Bonneville, Vancouver, Washington, October 2001.

Gary Struthers Associates, Inc., Final Closure Report, Environmental Restoration, Pesticide Building #4126 and Ammunition Bunkers #2953, #2951 and #2950, Camp Bonneville, Washington, Contract No. DACA67- 95-G-0001 T.O.58, December 2001.

Parsons Environmental, Draft Reconnaissance Results, Small Arms Ranges, Camp Bonneville, Vancouver, WA, Contract No. DACA87-95-D-0018, January 2002.

Gary Struthers Associates, Inc., Final Closure Report, Environmental Restoration, Drum Burial Area, Camp Bonneville, Washington, Contract No. DACA67-95-G-0001 T.O. 58, April 2002.

Project Performance Corporation, Final Field Work Report – Investigation and Monitoring of Site-Wide Ground Water and Ground Water Investigations for Remedial Action Unit 2B, April 2003.

URS Corp., Final Report, Landfill Area 4 / Demolition Area 1 Expanded Site Inspection, Camp Bonneville, Washington, Contract No. DACA67-98-D-1005, Delivery Order 0054, May 2003.

Parsons Infrastructure & Technology Group, Inc., Final Reconnaissance Summary Report, Camp Bonneville, Vancouver, Washington, Contract No. DACA87-00-D-0038, Delivery Order 0017, May 2003.

Atlanta Environmental Management, Inc., Final Site Investigation Report, Small Arms Ranges and Demolition Areas 2 and 3, Camp Bonneville, Vancouver, Washington, Contract No. DACA65-03-F-0002, September 2003.

Project Performance Corporation, Draft Remedial Investigation Report for Remedial Action Unit 2B, Camp Bonneville, Vancouver, Washington, GSA Contract No. GS-10F-0028J, September 2003.

Project Performance Corporation, Draft Remedial Investigation / Feasibility Study Report for Small Arms Ranges, Camp Bonneville, Vancouver, Washington, GSA Contract No. GS-10F-0028J, October 2003.

PBS Engineering and Environmental, Final Ground Water Sampling and Analysis Report, 4th Quarter 2003, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, May 2004.

PBS Engineering and Environmental, Draft Ground Water Sampling and Analysis Report, 1st Quarter 2004, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, May 2004.

URS Corp., Final Cleanup Action Plan for Remedial Action Unit 1, Camp Bonneville, Vancouver, Washington, Contract No. DACA67-02-D-2003, July 2004.

Parsons, Draft Remedial Investigation / Feasibility Study Report for Remedial Action Unit 3, Camp Bonneville, Vancouver, Washington, GSA Contract No. DACA87-00-D-0038, November 2004.

PBS Engineering and Environmental, Final Ground Water Sampling and Analysis Report, 2nd Quarter 2004, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, January 2005.

PBS Engineering and Environmental, Final Ground Water Sampling and Analysis Report, 3rd Quarter 2004, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, January 2005.

Calibre, Draft Final Remedial Investigation / Feasibility Study Report for Small Arms Ranges, Camp Bonneville, Vancouver, Washington, GSA Contract No. GS-10F-0028J, March 2005.

Calibre, Draft Final Work Plan for Interim Actions at Small Arms Range Berms and Fire Support Areas, Camp Bonneville, Vancouver, Washington, GSA Contract No. FS-10F-0028J, March 2005.

Calibre, Final Site Investigation Report for Demolition Areas 2 and 3, Camp Bonneville, Vancouver, Washington, GSA Contract No. GS-10F-0028J, March 2005.

Calibre, Draft Final Groundwater Data Evaluation Report, Camp Bonneville, Vancouver, Washington, GSA Contract No. GS-10F-0028J, April 2005.

PBS Engineering and Environmental, Final Ground Water Sampling and Analysis Report, 4th Quarter 2004, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, July 2005.

PBS Engineering and Environmental, Final Ground Water Sampling and Analysis Report, 1st Quarter 2005, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, July 2005.

Parsons, Camp Bonneville, Site Specific Fact Sheets, Remedial Action Unit 3, Vancouver, Washington, prepared for Army Corps of Engineers, August 2005.

PBS Engineering and Environmental, Draft Ground Water Sampling and Analysis Report, 2nd Quarter 2005, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, August 2005.

PBS Engineering and Environmental, Draft Ground Water Sampling and Analysis Report, 3rd Quarter 2005, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0115, November 2005.

Tetra Tech, Inc, Final Interim Removal Action Report, Landfill 4/Demolition Area 1, Camp Bonneville, Vancouver, Washington, Contract No. DAAD11-03-F-0102, November 2005.

Calibre, Groundwater Data Evaluation Report, Camp Bonneville, Vancouver, Washington, May 2006.